

What is claimed is:

1. A computer implemented method for detecting pixel stutter of a scanner comprising:

5 obtaining data representing a plurality of pixels using said scanner;
 obtaining a measurement of pixel stutter in said image;
 obtaining a statistical distribution of pixel stutter; and
 determining whether said measurement is above what is expected from said
statistical distribution.

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2. The method of Claim 1 wherein said measurement of pixel stutter is time correlated.

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3. The method of Claim 2 wherein said image has a plurality of rows and columns of
pixels, wherein said scanner obtains said image row by row and wherein said
measurement of pixel stutter is row stuttered pixel count.

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4. The method of Claim 3 wherein said statistical distribution of pixel stutter is a
measurement of non-time correlated pixel stutter in said image.
5. The method of Claim 4 wherein said statistical distribution is measured by column
stuttered pixel count.

6. The method of Claim 5 wherein said determining comprises comparing row
stuttered pixel count and column stuttered pixel count.

5 7. The method of Claim 6 wherein said comparing comprises calculating a ratio of
said two counts.

10 8. The method of Claim 6 wherein said comparing comprises determining whether
there is a statistical difference between said row and said column stuttered pixel
counts.

9. The method of Claim 8 further comprising displaying stuttered pixels overlaid on
said image.

15 10. A computer software product for detecting pixel stutter of a scanner comprising:
computer program code for obtaining data representing a plurality of pixels
using said scanner;
computer program code for obtaining a measurement of pixel stutter in said
image;
20 computer program code for obtaining a statistical distribution of pixel stutter;
computer program code for determining whether said measurement is above
what is expected from said statistical distribution; and

a computer readable media for storing said codes.

11. The computer software product of Claim 10 wherein said measurement of pixel stutter is time correlated.

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12. The computer software product of Claim 11 wherein said image has a plurality of rows and columns of pixels, wherein said scanner obtains said image row by row and wherein said measurement of pixel stutter is row stuttered pixel count.

10 13. The computer software product of Claim 12 wherein said statistical distribution of pixel stutter is a measurement of non-time correlated pixel stutter in said image.

14. The computer software product of Claim 4 wherein said statistical distribution is measured by column stuttered pixel count.

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15. The computer software product of Claim 5 wherein said determining comprises comparing row stuttered pixel count and column stuttered pixel count.

16. The computer software product of Claim 6 wherein said code for comparing
20 comprises computer program code for calculating a ratio of said two counts.

17. The computer software product of Claim 6 wherein said code for comparing

comprises computer program code for determining whether there is a statistical difference between said row and said column stuttered pixel counts.

18. The computer software product of Claim 8 further comprising computer program
5 code for displaying stuttered pixels overlaid on said image.

19. A system for detecting pixel stutter of a scanner comprising:
a processor; and
a memory coupled to the processor, the memory capable of storing a plurality
10 machine instructions that cause the processor to perform a plurality of logical steps when implemented by the processor, said logical steps including:
obtaining data representing a plurality of pixels using said scanner;
obtaining a measurement of pixel stutter in said image;
obtaining a statistical distribution of pixel stutter; and
15 determining whether said measurement is above what is expected from said statistical distribution.

20. The system of Claim 19 wherein said measurement of pixel stutter is time
correlated.

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21. The system of Claim 20 wherein said image has a plurality of rows and columns of pixels, wherein said scanner obtains said image row by row and wherein said

measurement of pixel stutter is row stuttered pixel count.

22. The system of Claim 21 wherein said statistical distribution of pixel stutter is a measurement of non-time correlated pixel stutter in said image.

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23. The system of Claim 22 wherein said statistical distribution is measured by column stuttered pixel count.

10 24. The system of Claim 23 wherein said determining comprises comparing row stuttered pixel count and column stuttered pixel count.

25. The system of Claim 24 wherein said comparing comprises calculating a ratio of said two counts.

15 26. The system of Claim 25 wherein said comparing comprises determining whether there is a statistical difference between said row and said column stuttered pixel counts.

20 27. The system of Claim 26 wherein said logic step further comprises displaying stuttered pixels overlaid on said image.